

# Raw Sequence Listing Form Summary

## ERROR DETECTED SUGGESTED CORRECTION

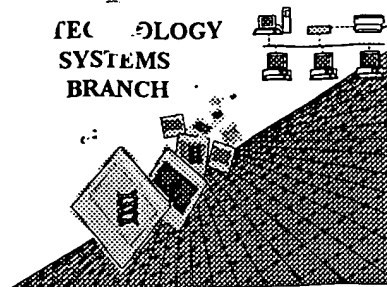
SERIAL NUMBER: 09/580,893A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1        Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2        Wrapped Aminos      The amino acid number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3        Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4        Misaligned Amino Acid      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs  
Numbering      between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5        Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6        Variable Length      Sequence(s)        contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and  
indicate in the (ix) feature section that some may be missing.
- 7        PatentIn ver. 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
sequence(s)       . Normally, PatentIn would automatically generate this section from the  
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section  
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>  
sections for Artificial or Unknown sequences.
- 8        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence:  
(OLD RULES)      (2) INFORMATION FOR SEQ ID NO:X:  
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence.  
(NEW RULES)      <210> sequence id number  
                                 <400> sequence id number  
                                 000
- 10        Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11        Use of <213>Organism      Sequence(s)        are missing this mandatory field or its response.  
(NEW RULES)
- 12        Use of <220>Feature      Sequence(s)        are missing the <220>Feature and associated headings.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13        PatentIn ver. 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted  
"file," resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

TEC OLOGY  
SYSTEMS  
BRANCH



P#5

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/580,893A  
Source: 1653  
Date Processed by STIC: 3/27/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

**Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

1653

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/580,893A

DATE: 03/27/2001  
TIME: 07:31:02

Input Set : A:\00144us1.app  
Output Set: N:\CRF3\03272001\I580893A.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: SANDBERG, LAWRENCE B.  
4 MITTS, THOMAS F.  
5 JIMENEZ JR., FELIPE  
7 <120> TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
9 <130> FILE REFERENCE: 00-144-US  
11 <140> CURRENT APPLICATION NUMBER: 09/580,893A  
12 <141> CURRENT FILING DATE: 2000-05-30  
14 <160> NUMBER OF SEQ ID NOS: 75  
16 <170> SOFTWARE: PatentIn Ver. 2.1  
18 <210> SEQ ID NO: 1  
19 <211> LENGTH: 3  
20 <212> TYPE: PRT  
21 <213> ORGANISM: mammalian  
23 <400> SEQUENCE: 1  
24 Ala Val Gly  
25 1  
28 <210> SEQ ID NO: 2  
29 <211> LENGTH: 4  
30 <212> TYPE: PRT  
31 <213> ORGANISM: mammalian  
33 <400> SEQUENCE: 2  
34 Val Gly Ala Gly  
35 1  
38 <210> SEQ ID NO: 3  
39 <211> LENGTH: 3  
40 <212> TYPE: PRT  
41 <213> ORGANISM: mammalian  
43 <400> SEQUENCE: 3  
44 Ile Gly Gly  
45 1  
48 <210> SEQ ID NO: 4  
49 <211> LENGTH: 2  
50 <212> TYPE: PRT  
51 <213> ORGANISM: mammalian  
53 <400> SEQUENCE: 4  
54 Leu Gly  
55 1  
58 <210> SEQ ID NO: 5  
59 <211> LENGTH: 4  
60 <212> TYPE: PRT  
61 <213> ORGANISM: mammalian  
63 <400> SEQUENCE: 5  
64 Ile Gly Ala Gly  
65 1  
68 <210> SEQ ID NO: 6  
69 <211> LENGTH: 3  
70 <212> TYPE: PRT

my 4/5

RECEIVED  
APR 04 2001  
TECH CENTER 1800/2900

## RAW SEQUENCE LISTING

DATE: 03/27/2001

PATENT APPLICATION: US/09/580,893A

TIME: 07:31:02

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

71 <213> ORGANISM: mammalian  
73 <400> SEQUENCE: 6  
74 Leu Gly Gly  
75 1  
78 <210> SEQ ID NO: 7  
79 <211> LENGTH: 4  
80 <212> TYPE: PRT  
81 <213> ORGANISM: mammalian  
83 <400> SEQUENCE: 7  
84 Val Ala Pro Gly  
85 1  
88 <210> SEQ ID NO: 8  
89 <211> LENGTH: 4  
90 <212> TYPE: PRT  
91 <213> ORGANISM: mammalian  
93 <400> SEQUENCE: 8  
94 Leu Gly Pro Gly  
95 1  
98 <210> SEQ ID NO: 9  
99 <211> LENGTH: 4  
100 <212> TYPE: PRT  
101 <213> ORGANISM: mammalian  
103 <400> SEQUENCE: 9  
104 Leu Gly Ala Gly  
105 1  
108 <210> SEQ ID NO: 10  
109 <211> LENGTH: 4  
110 <212> TYPE: PRT  
111 <213> ORGANISM: mammalian  
113 <400> SEQUENCE: 10  
114 Val Gly Pro Gly  
115 1  
118 <210> SEQ ID NO: 11  
119 <211> LENGTH: 4  
120 <212> TYPE: PRT  
121 <213> ORGANISM: mammalian  
123 <400> SEQUENCE: 11  
124 Phe Gly Pro Gly  
125 1  
128 <210> SEQ ID NO: 12  
129 <211> LENGTH: 4  
130 <212> TYPE: PRT  
131 <213> ORGANISM: mammalian  
133 <400> SEQUENCE: 12  
134 Val Gly Pro Gln  
135 1  
138 <210> SEQ ID NO: 13  
139 <211> LENGTH: 3  
140 <212> TYPE: PRT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/580,893A

DATE: 03/27/2001  
TIME: 07:31:02

Input Set : A:\00144us1.app  
Output Set: N:\CRF3\03272001\I580893A.raw

141 <213> ORGANISM: mammalian  
143 <400> SEQUENCE: 13  
144 Leu Gly Ala  
145 1  
148 <210> SEQ ID NO: 14  
149 <211> LENGTH: 4  
150 <212> TYPE: PRT  
151 <213> ORGANISM: mammalian  
153 <400> SEQUENCE: 14  
154 Val Gly Pro Ala  
155 1  
158 <210> SEQ ID NO: 15  
159 <211> LENGTH: 4  
160 <212> TYPE: PRT  
161 <213> ORGANISM: mammalian  
163 <400> SEQUENCE: 15  
164 Val Val Pro Gly  
165 1  
168 <210> SEQ ID NO: 16  
169 <211> LENGTH: 4  
170 <212> TYPE: PRT  
171 <213> ORGANISM: mammalian  
173 <400> SEQUENCE: 16  
174 Ala Val Pro Gly  
175 1  
178 <210> SEQ ID NO: 17  
179 <211> LENGTH: 4  
180 <212> TYPE: PRT  
181 <213> ORGANISM: mammalian  
183 <400> SEQUENCE: 17  
184 Val Val Pro Gln  
185 1  
188 <210> SEQ ID NO: 18  
189 <211> LENGTH: 6  
190 <212> TYPE: PRT  
191 <213> ORGANISM: mammalian  
193 <400> SEQUENCE: 18  
194 Val Ala Ala Arg Pro Gly  
195 1 5  
198 <210> SEQ ID NO: 19  
199 <211> LENGTH: 7  
200 <212> TYPE: PRT  
201 <213> ORGANISM: mammalian  
203 <400> SEQUENCE: 19  
204 Leu Gly Ala Gly Gly Ala Gly  
205 1 5  
208 <210> SEQ ID NO: 20  
209 <211> LENGTH: 4  
210 <212> TYPE: PRT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/580,893A

DATE: 03/27/2001

TIME: 07:31:02

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

211 <213> ORGANISM: mammalian  
 213 <400> SEQUENCE: 20  
 214 Ala Ile Pro Gly  
 215 1  
 218 <210> SEQ ID NO: 21  
 219 <211> LENGTH: 5  
 220 <212> TYPE: PRT  
 221 <213> ORGANISM: mammalian  
 223 <400> SEQUENCE: 21  
 224 Leu Gly Pro Gly Gly  
 225 1 5  
 228 <210> SEQ ID NO: 22  
 229 <211> LENGTH: 5  
 230 <212> TYPE: PRT  
 231 <213> ORGANISM: mammalian  
 233 <400> SEQUENCE: 22  
 234 Ala Ala Ala Gln Ala  
 235 1 5  
 238 <210> SEQ ID NO: 23  
 239 <211> LENGTH: 5  
 240 <212> TYPE: PRT  
 241 <213> ORGANISM: mammalian  
 243 <220> FEATURE:  
 244 <221> NAME/KEY: MOD\_RES  
 245 <222> LOCATION: (4)  
 247 <400> SEQUENCE: 23  
 w--> 248 Val Gly Val Xaa Gly  
 249 1 5  
 252 <210> SEQ ID NO: 24  
 253 <211> LENGTH: 5  
 254 <212> TYPE: PRT  
 255 <213> ORGANISM: mammalian  
 257 <400> SEQUENCE: 24  
 258 Val Tyr Pro Gly Gly  
 259 1 5  
 262 <210> SEQ ID NO: 25  
 263 <211> LENGTH: 6  
 264 <212> TYPE: PRT  
 265 <213> ORGANISM: mammalian  
 267 <400> SEQUENCE: 25  
 268 Ile Gly Gly Val Gly Gly  
 269 1 5  
 272 <210> SEQ ID NO: 26  
 273 <211> LENGTH: 6  
 274 <212> TYPE: PRT  
 275 <213> ORGANISM: mammalian  
 277 <400> SEQUENCE: 26  
 278 Val Ala Pro Gly Val Gly  
 279 1 5

*what does Xaa represent? Explain in <223> response.*

*(See item 10 on Error Summary sheet)*

## RAW SEQUENCE LISTING

DATE: 03/27/2001

PATENT APPLICATION: US/09/580,893A

TIME: 07:31:02

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

282 <210> SEQ ID NO: 27  
283 <211> LENGTH: 5  
284 <212> TYPE: PRT  
285 <213> ORGANISM: mammalian  
287 <400> SEQUENCE: 27  
288 Leu Gly Val Gly Gly  
289 1 5  
292 <210> SEQ ID NO: 28  
293 <211> LENGTH: 4  
294 <212> TYPE: PRT  
295 <213> ORGANISM: mammalian  
297 <400> SEQUENCE: 28  
298 Leu Val Pro Gly  
299 1  
302 <210> SEQ ID NO: 29  
303 <211> LENGTH: 5  
304 <212> TYPE: PRT  
305 <213> ORGANISM: mammalian  
307 <400> SEQUENCE: 29  
308 Phe Arg Ala Ala Ala  
309 1 5  
312 <210> SEQ ID NO: 30  
313 <211> LENGTH: 6  
314 <212> TYPE: PRT  
315 <213> ORGANISM: mammalian  
317 <400> SEQUENCE: 30  
318 Val Gly Gly Val Pro Gly  
319 1 5  
322 <210> SEQ ID NO: 31  
323 <211> LENGTH: 5  
324 <212> TYPE: PRT  
325 <213> ORGANISM: mammalian  
327 <400> SEQUENCE: 31  
328 Phe Gly Pro Gly Gly  
329 1 5  
332 <210> SEQ ID NO: 32  
333 <211> LENGTH: 5  
334 <212> TYPE: PRT  
335 <213> ORGANISM: mammalian  
337 <400> SEQUENCE: 32  
338 Val Gly Val Pro Gly  
339 1 5  
342 <210> SEQ ID NO: 33  
343 <211> LENGTH: 6  
344 <212> TYPE: PRT  
345 <213> ORGANISM: mammalian  
347 <400> SEQUENCE: 33  
348 Val Leu Pro Gly Ala Gly  
349 1 5

FYI

**Please Note:**

Use f n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 03/27/2001

PATENT APPLICATION: US/09/580,893A

TIME: 07:31:03

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

L:248 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23  
L:248 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:23  
L:362 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:34  
L:362 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:34